

Systems, Functional Data, and Methods To Bias Map Matching

Abstract of the Disclosure

Devices, systems, functional data and methods are provided for biasing an
5 active location to an acceptable location within a planned route of a map. The
navigational device with map biasing capabilities includes a processor
communicating with a memory. In biasing a map, an active position and a planned
position are received, and an active score and a planned score are associated with
each position, respectively. The active position is checked to ensure it falls within a
10 second range, and if it does the active score is made to fall within a first range
associated with the planned score, such that the active position is biased to appear as
if it were the planned position.